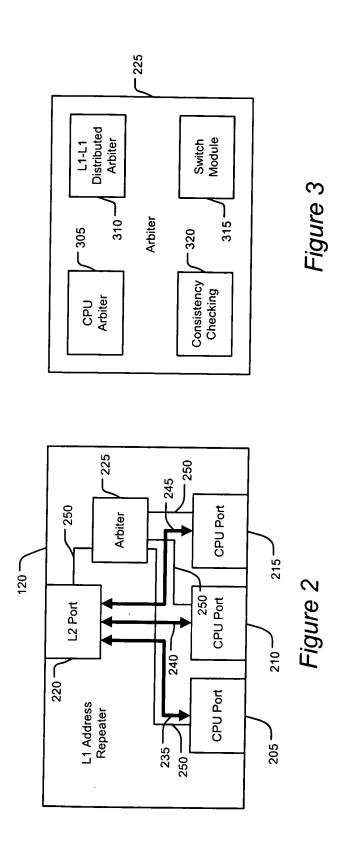
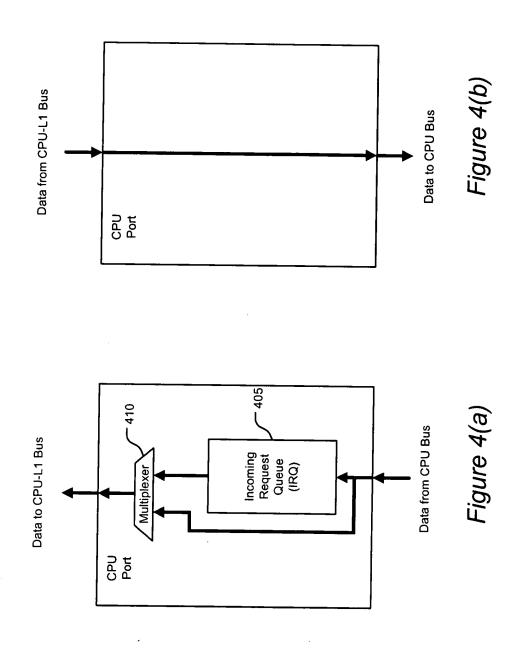
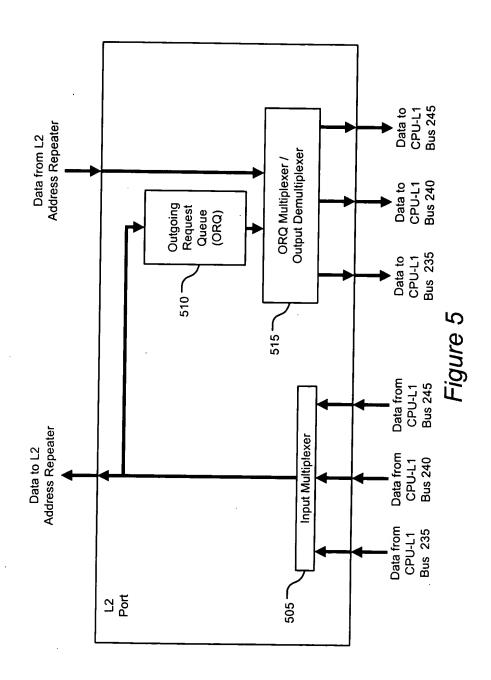
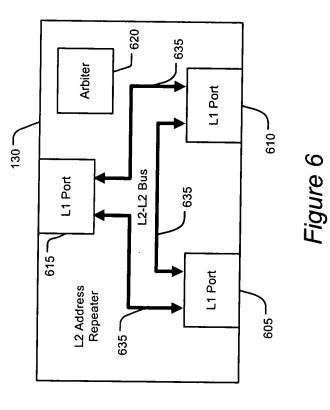


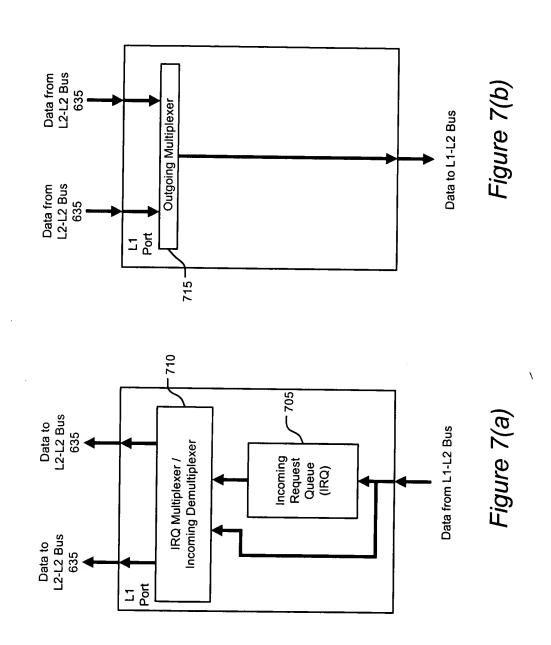
Figure 1











Predicting, in a first cycle, that a transaction should be transmitted from a first address repeater to a second address repeater.

Predicting, in a first cycle, that a transaction that originated from a third address repeater should be transmitted from a first address repeater to a second address repeater.

Predicting, in a first cycle, that a transaction that originated from a third address repeater should be transmitted from a first address repeater to a second address repeater to a second address

Determining if a PRE-REQUEST-L2 signal was received within a predetermined number of cycles of the first cycle.

Determining if an INCOMING-L2 signal was received within a predetermined

number of cycles of the first cycle.

If the PRE-REQUEST-L2 signal was not received within the predetermined number of cycles of the first cycle, then generating an error.

If the INCOMING-L2 signal was not

received within the predetermined number of cycles of the first cycle,

then generating an error.

Determining if a TRAN-VALID-L2 signal was received within a predetermined number of cycles of the first cycle.

If the TRAN-VALID-L2 signal was not received within the predetermined number of cycles of the first cycle, then generating an error.

Figure 8(b)

Figure 8(a)

Figure 8(c)

Receiving, in a first cycle a PRE-REQUEST-L2 signal.

Receiving, in a first cycle, a TRAN-VALID-L2 signal.

predetermined number of cycles of the transaction should be transmitted from address repeater was made within a a first address repeater to a second Determining if a prediction that a first cycle.

the predetermined number of cycles of If the prediction was not made within the first cycle, then generating an error.

Receiving, in a first cycle, an INCOMING-L2 signal.

repeater to a second address repeater transaction, which originated from a was made within a predetermined third address repeater, should be number of cycles of the first cycle. Determining if a prediction that a transmitted from a first address repeater to a second address repeater transaction, which originated from a third address repeater, should be was made within a predetermined number of cycles of the first cycle. Determining if a prediction that a transmitted from a first address

the predetermined number of cycles of the first cycle, then generating an If the prediction was not made within the predetermined number of cycles of If the prediction was not made within the first cycle, then generating an

error.

Figure 9(b)

Figure 9(a)

Figure 9(c)